



WATER MANAGEMENT MONTHLY REPORT

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Prepared by: U.S. Army Engineer Division,
Great Lakes and Ohio River, PO Box 1159,
Cincinnati, OH 45201-1159

RESERVOIR OPERATION AND SYSTEM STATUS FOR JAN 2003

HIGHLIGHTS – Cairo stage began the month at 30.3 feet and ended at 10.8 feet. The stage dropped to a low of about 7.7 feet on Jan 30th. Flood stage at Cairo is 40.0 feet.

WEATHER –The weather during January was cold and dry. Temperatures averaged 4-6 degrees below the normal for the month. Precipitation was also well below the normal throughout the basin. Precipitation was generally in the form of snow with less than normal snow pack in Indiana and Ohio. The driest areas of the basin are Tennessee, Kentucky and Illinois with less than half the expected precipitation.

TEMPERATURE AND PRECIPITATION – JAN 2003

	TEMPERATURE		PRECIPITATION	
STATION	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	21.4	-6.1	2.18	-0.52
Charleston, WV	28.2	-5.2	1.79	-1.46
Columbus, OH	22.6	-5.7	1.65	-0.88
Cincinnati, OH	24.0	-5.7	1.66	-1.26
Louisville, KY	27.2	-5.8	1.57	-1.71
Indianapolis, IN	21.7	-4.8	1.27	-1.21
Evansville, IN	27.3	-3.7	1.10	-1.81
Nashville, TN	32.8	-4.0	1.59	-2.38

STREAMFLOW -- Ohio River monthly average flows for January ranged from a low of 73 percent of normal at Huntington, WV to a high of 88 percent of normal at Pittsburgh, PA. Daily flows ranged from a low of 16 percent of normal at Louisville, KY and Evansville, IN to a high

of 255 percent of normal at Pittsburgh, PA.

The following table presents the flow data summary for January at the Ohio River Index Stations:

FLOW DATA – JAN 2003

STATION	AVERAGE MONTHLY FLOW	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
			HIGH	LOW
Pittsburgh, PA	38,200	88	255	22
Huntington, WV	81,500	73	185	21
Cincinnati, OH	105,000	78	192	21
Louisville, KY	126,000	75	169	16
Evansville, IN	155,000	81	166	16
Paducah, KY	293,000	74	129	26

RESERVOIRS -- January started with 2.7% utilization of the total system flood control storage and ended the month at 1.9%. System-wide augmentation storage decreased from 95% at the beginning of the month to 94% by the end of the month. Significant flood storage utilization in excess of 25% occurred at Mahoning and Conemaugh reservoirs in the Allegheny basin and at Rough River reservoir in the Green basin.

The following table depicts storage change by tributary reservoir subsystem for January:

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
Allegheny-Monongahela-Beaver	-31,000
Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	-8,100
Twelvepole-Big Sandy-Little Sandy-Scioto	-4,500
Little Miami-Licking-Mill Creek-Great Miami	-18,700
Kentucky-Salt-Green-Wabash	-162,600
Cumberland	-596,000

TOTAL	-820,900
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JAMES L. SEALS, P.E.
Chief, Technical Engineering & Construction Div.